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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/759,036	01/11/2001	Christian Hentschel	PHNL 010002	2194
24737	7590	08/25/2006	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			OPIE, GEORGE L	
			ART UNIT	PAPER NUMBER
			2194	

DATE MAILED: 08/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/759,036	HENTSCHEL et al.	
	Examiner	Art Unit	
	George L. Opie	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 May 2006.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ☐ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ☐ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ☐ is/are objected to.
- 8) ☐ Claim(s) ☐ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ☐ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on ☐ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some \* c) ☐ None of the CERTIFIED copies of the priority documents have been:
1. ☐ received.
  2. ☐ received in Application No. (Series Code / Serial Number) ☐.
  3. ☐ received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

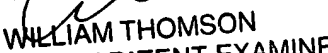
\* See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. & 119(e).

#### Attachment(s)

- 14) ☒ Notice of References Cited (PTO-892)
- 15) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 16) ☐ Information Disclosure Statement(s) (PTO-1449) ☐.

- 17) ☐ Interview Summary (PTO-950) ☐.
- 18) ☐ Notice of Informal Patent Application (PTO-152)
- 19) ☐ Other: ☐.

  
WILLIAM THOMSON  
SUPERVISORY PATENT EXAMINER

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### DETAILED ACTION

This Office Action is responsive to Applicant's Amendment, filed 20 May 2006.

1. Request for copy of Applicant's response on floppy disk:

Please help expedite the prosecution of this application by including, along with your amendment response in paper form, an electronic file copy in WordPerfect, Microsoft Word, or in ASCII text format on a 3½ inch IBM format floppy disk.

Please include all pending claims along with your responsive remarks. Only the paper copy will be entered -- your floppy disk file will be considered a duplicate copy. Signatures are not required on the disk copy. The floppy disk copy is not mandatory, however, it will help expedite the processing of your application. Your cooperation is appreciated.

2. Claim Rejections - 35 U.S.C. § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Webb et al. (U.S. 6,151,018) in view of Hooper et al. (U.S. Patent 5,671,225).

As to claim 9, Webb teaches the invention substantially as claimed including an algorithm wherein the algorithm comprises a first function and a second function (see abstract), the system comprising:

function means conceived to contain the first function of the algorithm and a second function of the algorithm (col.3, line 65-col.4, line 13), and

lookup means (see fig.6) conceived to contain a plurality of output quality levels that can be provided by the algorithm, a first plurality of quality level settings of the first function and a second plurality of quality level settings of the second function (col.3, lines 47-63); and

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assigning a first quality level of the first plurality of quality levels to the first function and assigning a second quality level of the second plurality of quality levels to the second function based on the output quality level (col.4, lines 13-42).

Webb does not explicitly disclose allocating a budget to the algorithm.

Hooper teaches determining algorithm resources (management unit 203 coordinates requests, col. 3 lines 43-56) and allocating a budget to the algorithm based on the determining of resources (order to provide a service to a client, resources 350 are required and allocated, Col. 5 lines 1-12).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine Hooper's teachings with Webb because the server management of Hooper would optimize the distribution of resources in Webb's system.

As to claim 10, Webb teaches at least one output quality level of the plurality of output quality levels can be provided by the algorithm for at least one first quality level setting of the first plurality of quality level settings and at least one second quality level setting of the second plurality of quality level settings (col.3, lines 30-46).

As to claim 11, Webb teaches a complexity means conceived to contain a plurality of levels of complexity of operation for the at least one first quality level setting (col.3, lines 13-22).

As to claim 12, Webb teaches a hardware configuration means conceived to contain a hardware platform configuration of the system to determine at least the plurality of output quality levels (fig.1 and associated text).

As to claim 13, Webb teaches a software configuration means conceived to contain a software platform configuration of the system to determine at least the plurality of output quality levels (col.4, lines 11-19).

As to claim 16, Webb teaches a television set (5 and 45, fig.1).

As to claim 17, Webb teaches a set-top box (44, fig.1).

As to claim 1, it is directed to a method for presenting the system of claim 9 above and is similarly rejected under the same rationale.

As to claim 2, Webb teaches determining that the first function, while providing the first quality level, can be operated at a plurality of levels of complexity (col.3, lines 30-47).

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As to claim 3, Webb teaches operating the algorithm at the output quality level, and operating the first function at the first quality level while consuming a first amount of resources by the first function and operating the second function at the second quality level while consuming a second amount of resources by the second function (col.4, line 50 - col.5, line 13).

As to claim 4, Webb teaches operating the first function at a least complex level of the plurality of levels of complexity (col.3, lines 13-22).

As to claims 5-6, Hooper (abstract) teaches the management of "composite . . . services" which reads-on the recited budget/pricing computations for the respective resources.

As to claim 7, Webb teaches determining a hardware platform operating the method to determine the algorithm resource and the plurality of output quality levels (fig.1 and associated text).

As to claim 8, Webb teaches determining a software platform operating the method to determine the algorithm resource and the plurality of output quality levels (col.4, lines 6-13).

As to claim 14, Webb teaches a computer program product (col.2, lines 43-50).

As to claim 15, Webb teaches a storage device (col.7, lines 4-7).

As to claim 18, the rejection of claim 9 above is incorporated herein in full. Additionally, Webb further teaches at least one memory (col.7, line 5) and at least one processor (51, fig.5).

As to claim 19, Webb teaches storing a hardware configuration file containing a hardware platform configuration of the system, the plurality of output quality levels based at least partially on the hardware configuration file (see fig.57 and the associated text).

As to claim 20, Webb teaches storing a software configuration file containing a software platform configuration of the system, the plurality of output quality levels based at least partially on the software configuration file (col.3, lines 64-col.4, line 27).

4. The prior art made of record, listed on PTO 892 provided to Applicant is considered to have relevancy to the claimed invention. Applicant should review

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each identified reference carefully before responding to this office action to properly advance the case in light of the prior art.

**5. Response to Applicant's Remarks**

Applicant's arguments filed 20 May 2006 have been considered but are moot in view of the new grounds of rejection necessitated by the amendments.

**6. THIS ACTION IS MADE FINAL.**

A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE DATE OF THIS ACTION. IN THE EVENT A FIRST RESPONSE IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 C.F.R. 1.136(a) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT WILL THE STATUTORY PERIOD FOR RESPONSE EXPIRE LATER THAN SIX MONTHS FROM THE DATE OF THIS FINAL ACTION.

**7. Contact Information:**

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system.

Status information for published applications may be obtained from either Private-PAIR or Public-PAIR.

Status information for unpublished applications is available through Private-PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions regarding access to the PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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All responses sent by U.S. Mail should be mailed to:


**Commissioner for Patents**  
**PO Box 1450**  
**Alexandria, VA 22313-1450**

Hand carried responses should be delivered to the *Customer Service Window* (Randolph Building, 401 Dulany Street, Alexandria, Virginia 22314) and, if submitting an electronic copy on floppy or CD, to expedite its processing, please notify the below identified examiner prior to delivery, so that the Applicant can "handoff" the electronic copy directly to the examiner.

The Official fax number (571) 273-8300 should be used for any and all facsimile submissions to the Office.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist at **(571) 272-2100**.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to George Opie at (571) 272-3766 or via e-mail at [George.Opie@uspto.gov](mailto:George.Opie@uspto.gov). Internet e-mail should not be used where sensitive data will be exchanged or where there exists a possibility that sensitive data could be identified unless there is an express waiver of the confidentiality requirements under 35 U.S.C. 122 by the Applicant. Sensitive data includes confidential information related to patent applications.

  
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SUPERVISORY PATENT EXAMINER